

**RADIOCHEMISTRY TECHNICIAN
JOB PERFORMANCE MEASURE****TASK CODE:** TRC-G01**TASK:** Prepare a Liquid Sample**NAME:** _____ **SSN:** _____

REFERENCES:

1. WP 12-RL1010, Sample Preparation

TERMINAL OBJECTIVE:

Given a liquid sample, prepare the sample per WP 12-RL1010.

CONSEQUENCES OF INADEQUATE PERFORMANCE:

Improper analysis results
Loss of a sample

HAZARDS (PERSONNEL/EQUIPMENT STATUS):

None

PRE-REQUISITE TRAINING/ TASK COMPLETION:

1. CF 4.00 Series
2. TRC-F02, Perform Sample Dissolution
3. TRC-F03, Perform Sample Precipitation
4. Radiological Worker II
5. Hazardous Waste Worker

TOOLS/EQUIPMENT (MATERIALS REQUIRED):

- | | |
|----------------------|-----------------------|
| 1. Prepared reagents | 3. Various containers |
| 2. PH meter/pH paper | 4. Deionized water |

Instructions to Trainee: You shall acquire the necessary references and equipment, and complete all required documentation. Knowledge requirements shall be completed with 80% or greater accuracy. Critical step performance shall be completed with 100% accuracy.

Instructions to JPM Evaluator: The trainee is to perform the terminal objective, without assistance, on the job site. Provide clarification of requirements if requested by the trainee. You are encouraged to ask relevant questions to verify trainee understanding. If the trainee fails this JPM, clearly document the reason for failure and forward to the trainee's manager. Successful completion of this JPM shall be recorded on the trainee's qualification card.

KNOWLEDGE REQUIREMENTS:

Reference	Knowledge Requirement	Pass/Fail
1	Describe the types of liquid samples that will need to be prepared.	
1	State the required PPE while preparing a liquid sample.	
1	Discuss the various methods available to check the pH of the liquid.	
1	State the pH the sample should be upon delivery to the Lab.	
1	Describe the different methods that can be utilized during liquid sample preparation.	
1	Describe the equipment needed to prepare a liquid sample.	
1	Describe the reagents necessary to prepare a liquid sample.	
1	Describe the labeling requirements for sample aliquots	

PERFORMANCE REQUIREMENTS:

Reference	Performance Requirement	Pass/Fail
1	Don the appropriate PPE.#	
1	Measure the pH of a sample using a pH meter and pH paper.#	
1	Track the sample aliquots as necessary.#	
1	Prepare a liquid sample using the precipitation method.#	
1	Prepare a liquid sample using the evaporation method.#	
1	Document sample preparation.#	

indicates a critical step

FINAL EVALUATION:

PASS

FAIL

COMMENTS:

EVALUATOR SIGNATURE:

DATE:_____

TRAINEE SIGNATURE:

DATE:_____

MANAGER SIGNATURE:

DATE:_____